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a curved collimating mirror via which the image is viewed such that the image distance is greater than the radius of the mirror, and varying the screen in shape and/or position in order to vary the image distance within the total field-of-view of the display apparatus.

In the Claims

Please delete claims 1-12 and insert the following new claims 13-24.

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13. A method of producing display apparatus, which method comprises providing a curved projection screen, providing at least one projector for providing a display on the screen, positioning the said at least one projector outside an enclosed display volume, providing a curved collimating mirror via which the image is viewed such that the image distance is greater than the radius of the mirror, and varying the screen in shape and/or position in order to vary the image distance within the total field-of-view of the display apparatus.

14. A method according to claim 13 and including providing a cab for a person using the display apparatus, and in which the screen is varied in shape and/or position such as to give a short image distance on a side of the display apparatus to be occupied by the person, and to cause this distance to increase in straight-ahead and in kerb-side directions.

15. A method according to claim 14 in which the screen is caused to be spherical, with a relative offset to an axis of a front surface of the screen being shifted to reduced the image distance on the side of the display apparatus to be occupied by the person.

16. A method according to claim 14 in which the screen is caused to be of a complex aspheric shape.

17. A method according to claim 13 in which the projectors are fixed matrix projectors.
18. A method according to claim 13 in which the projectors are provided in groups, with each group having at least two of the projectors.
19. A method according to claim 18 in which the projectors are arranged radially outside the screen.
20. A method according to claim 13 and including providing image generator means for generating images to be displayed on the screen.
21. A method according to claim 20 and including providing digital distortion correction means for removing distortion.
22. A method according to claim 21 in which the digital distortion correction means is positioned between the image generator means and the said at least one projector.
23. A method according to claim 13 and including optical blending means for optically blending overlapping images from the said at least one projector.
24. A method of producing display apparatus, which method comprises deliberately varying an image distance within a total field-of-view of the display apparatus, the display apparatus comprising a curved projection screen, at least one projector which is for providing an image on the screen, and a curved collimating mirror via which the image is viewed, and the method being such as to vary the screen shape and/or dimension from its center in its design and manufacture, with the effect that the apparent image distance, as viewed via the collimating mirror, varies in response to the variation in screen shape.